



mission equipped

AIRCRAFT VIDEO/VGA DISPLAYS

AVDU-1620 6.4"

Multi Function Aircraft Display



The AVDU-1620 is a multi-function LCD display designed for airborne use. It offers a wide range of video and VGA compatibility and gives the user a choice of inputs to suit most applications. As standard, the display offers excellent video quality and features such as PIP (picture-in-picture), video freeze frame, video zoom and full range dimming.

FEATURES INCLUDE

- VGA resolution, high brightness display
- PIP (picture-in-picture, sized and positioned on the screen by user menu)
- Multiple video inputs, with instant switching between inputs
- VGA (graphics) input
- Digital freeze frame
- SCALAR digital zoom
- NVG option
- Video enhancement option
- Touch screen overlay & interface option

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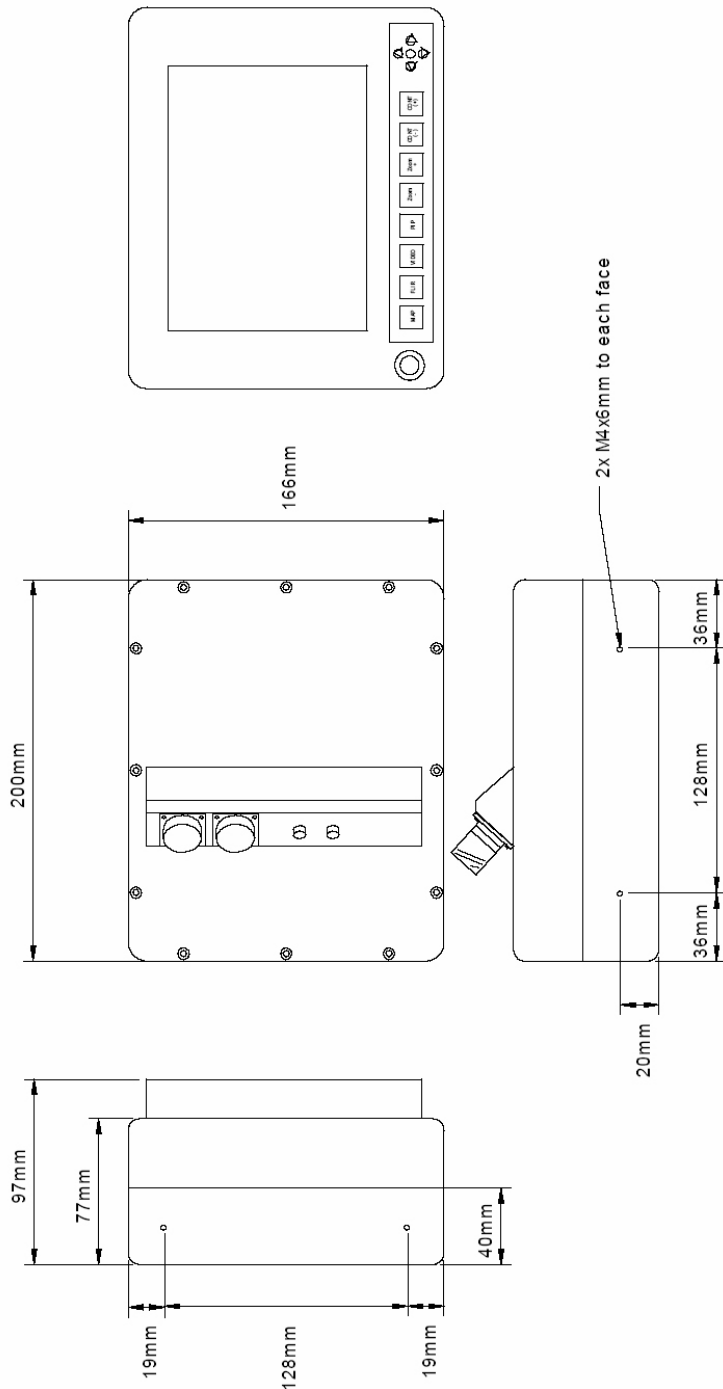
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DRG No AVDU/ 1620/ XX

OTHER PRODUCTS

AIRCRAFT VIDEO/VGA DISPLAYS

- » 4" Display
- » 6.5" Display
- » 8.4" Display
- » 9" CRT Display
- » 10.4" Display
- » 12.1" Display
- » 15" Display
- » 18" Display
- » 20.1" Display

EMBEDDED PC SMART DISPLAYS

AIRCRAFT VIDEO RECORDERS

- » Hard Disk Digital Recorder
- » Compact Flash Recorder
- » SHVS Recorder

MOVING MAPS

DIFFERENTIAL GPS

- » Differential GPS (DGPS) Standard & High Performance System

VIDEO / RADAR CONVERTERS

- » RDR 1500 Radar Converter
- » VGA To Video Converter
- » VGA To STANAG 3350 Converter

AIRCRAFT INSTALLATION / BRACKETS

- » NVG Cockpit Equipment Modifications
- » Camera Brackets & Equipment Consoles

MICROWAVE LINKS / DATALINKS

- » Long Range Automated Steerable Tracking Datalink System
- » Low Cost Short Range Omni-Direction System

CARGO HOOK CAMERA

GPS SPLITTER / AMPLIFIER

VIDEO DISTRIBUTION SYSTEMS



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AIRCRAFT VIDEO/VGA DISPLAYS

Specifications

Physical

Dimensions 200mm(w) x 166mm(h) x 97mm(d)
 Weight 2.150Kg approx
 Finish Matt black anodised

Electrical

Input voltage 28V DC
 Power dissipation 50 watts

Temperature

Operating -15°C (5°F) to + 55°C (131°F)
 Storage -25°C (-13°F) to +80°C (176° F)

Video and Graphic Signals

Video input standards Composite video, S-video (Y/C) and Component video (R,G,B/Y,Cr,Cb) pr STANAG 3350/B/C. PAL 50 Hz, NTSC 60 Hz,

Graphic input standards

Standard XGA, auto scalling SVGA, VGA, SXGA and UXGA

Connectors

Video in/out 4 x BNC (isolated)
 Power D38999/20WB 98PN
 Signal D38999/20WD 35PN
 Remote D38999/20WB 35SN

Display Performance

Resolution 640 x 480 pixels (auto scalling from VGA-UXGA)
 Viewing area 130.6mm (w) x 97mm (h)
 Pixel pitch 0.204mm(w) x 0.202mm(h)
 Pixel configuration RGB vertical stripe
 Colour capacity 6 bits per colour; 256K colours
 Grey scale capacity 64 grey scale
 Viewing angle +/-60° horizontal; +40° to -35°vertical
 Luminance at optimum viewing angle Max>900 cd/m² Min<7 cd/m²
 Contrast ratio at optimum viewing angle >100:1

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Environmental Performance

Environmental Performance (to EUROCAE/ED-14D and RTCA/DO-160D)

<p>Section 4 - Temperature & Altitude</p> <p>5 - Temperature Variation 6 - Humidity 7 - Operational Shocks & Crash Safety</p> <p>8 - Vibration</p> <p>9 - Explosion Proofing</p> <p>10 - Waterproofing 11 - Fluid susceptibility 12 - Sand & Dust 13 - Fungus Resistance 14 - Salt Spray 15 - Magnetic Effect</p> <p>16 - Power Input 17 - Voltage Spike 18 - Audio Frequency 19 - Induced Susceptibility 20 - RF Susceptibility (Radiated & Conducted)</p> <p>21 - RF Emission 22 - Lightning Induced Transients</p> <p>23 - Lightning Direct Effects 24 - Icing 25 - Electrostatic discharge</p>	<p>Category A1 This unit is considered satisfactory for operation up to an altitude of 25,000 feet un-pressurised.</p> <p>Category C Category A</p> <p>Category B , Operation 6g 11/ms, Non operation 15g/11ms</p> <p>Category R+U (equiv: DO-160C Helicopter -Test curve 'N', 1.5g p-p)</p> <p>N/A Category A, Equipment located within the passenger cabin.</p> <p>Category W Category X Category D N/A Category F N/A Category X Category A The unit has no perceivable effect when mounted within 460mm (18") of an aircraft magnetic compass</p> <p>Category B Category A Category A + Z Category Z Category U</p> <p>Category B Not considered</p> <p>Not considered Category X Not considered</p>
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